

ROGO 217 US (10309708)IN THE CLAIMS

Claims 1 - 9. (Canceled)

Claim 10. (currently amended) A method for attaching a ligand to a solid phase ~~comprising~~ consisting of:

(i) contacting an amine group on a surface of said solid phase with a molecule selected from the group consisting of ~~2-aminethiolane-HCl~~ 2-iminothiolane-HCL and N-succinimidyl-S-acetyl thioacetate, to provide a sulfhydryl group ~~in~~ on said solid phase, wherein said molecule is contacted to said surface in a solution consisting of dimethylformamide (DMF), and

(ii) reacting a conjugate of said a ligand with a reactive group and a linker with the molecule attached to the surface of the solid phase in (i), wherein said linker contains a maleimide or sulfhydryl group or groups, to form a thiol linkage between said linker and said molecule; so as to attach said ligand to said solid phase.

Claim 11. (previously presented) The method of claim 10, wherein said solid phase is a magnetic bead.

Claim 12. (previously presented) The method of claim 10, wherein said ligand is an antibiotic.

Claim 13. (previously presented) The method of claim 12, wherein said antibiotic is rapamycin or FK-506.

Claim 14. (previously presented) The method of claim 10, wherein said linker is p-maleimidophenyl isocyanate.

Claims 15-17. (Canceled)

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Claim 18. (newly presented) A method for attaching a ligand to a solid phase, consisting of:

(i) contacting an amine group on a surface of said solid phase with a molecule selected from the group consisting of 2-iminothiolane-HCL and N-succinimidyl-S-acetyl thioacetate, to provide a sulfhydryl group on said solid phase;

(ii) contacting p-maleimido phenyl isocyanate to said sulfhydryl group to attach it thereto, and

(iii) reacting a conjugate of a ligand with a reactive group and a linker with the molecule attached to the surface of the solid phase in (ii), wherein said linker contains a maleimide or sulfhydryl group or groups, to form a thiol linkage between said linker and said molecule; so as to attach said ligand to said solid phase.